
N545-3V3-5V vehicle module specification

1. Scope of application

The information contained in this specification is applicable to N545-3V3-5V vehicle module and contains key information such as module specification, appearance size and operation instructions.

2. Overview

The N545-3V3-5V module is composed of 1 / 4.5 inch, 1 megapixel color image CMOS, sensor and ISP image processing chip, and output 720P analog HD image. ISP has color matrix, sharpness, gamma correction, automatic electronic shutter, automatic white balance, automatic gain control, adaptive backlight compensation, 2D noise reduction, reversing assist line and other functions.

3. Technical parameters

| order number | The parameter name | Parameter specifications |
|--------------|--------------------------------|--|
| 1 | Sensor type: | CMOS |
| 2 | Sensory size: | 1/4.5 " |
| 3 | Effective pixels: | 1280(H)x720(V) |
| 4 | CRA: | 12 ° |
| 5 | white balance: | voluntarily |
| 6 | Automatic Gain Control AGC: | voluntarily |
| 7 | Backlight compensation: | have |
| 8 | denoise: | 2D DNR |
| 9 | noise-signal ratio: | >52dB(AGC OFF) |
| 10 | Video Format: | AHD 720P@25FPS; AHD 720P@30FPS |
| 11 | Video Output: | And 1.0 Vp-p / 75 ohms |
| 12 | Gamma correction: | 0.45 |
| 13 | Operating Voltage: | DC3.3V/+0.1V (0 Euro) or 3.3V-5V (LDO) |
| 13 | Operating current: | 90mA |
| 14 | Power: | 0.3W (U=3.3V) |
| 15 | Working temperature: | -30°C~+85°C |
| 16 | Exterior Dimensions: | The 16mm round shape |

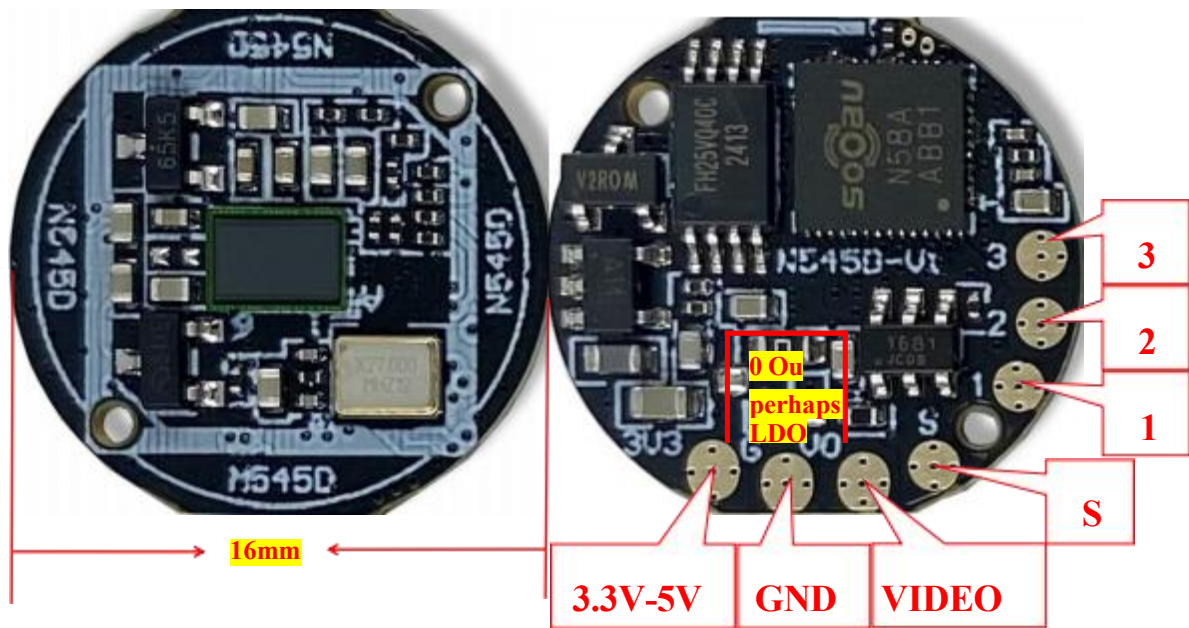
4. Storage method

A. Good storage conditions: refers to the temperature less than 25 degrees, relative humidity less than 65%, with temperature control, indoor environment without corrosive gas, electrostatic bag packaging storage.

B. General storage conditions: refers to the temperature is not higher than 35 degrees, the relative humidity is less than 75%, the indoor environment without corrosive gas, electrostatic bag packaging storage.

C. Long-term storage: if you need to use, avoid moisture risk, need high temperature 80 degrees baking for 4, hours, must be re-tested.

5. Appearance and interface



| | |
|---------|--|
| 3.3V-5V | Power input: 3.3V with 0 euro resistance; 3.3V-5V with LDO |
| GND | the earth |
| VIDEO | video monitor 525 vidicon video out |
| 1 | Ground switch mirror image: the forward image or mirror image is optional |
| 2 | Ground switching line: marked or not optional |
| 3 | Ground switch flip: positive or inverted image is optional (standard switch is invalid in this state) Grounding switching system: optional video system in the table (6. Video output system) |
| S | Grounding switching system: optional video system in the table (6. Video output system) |

6. Video output system

| order number | Video system | explain |
|--------------|----------------|--|
| 1 | CVBS_PAL | <p>1. When only using the "S" control point action system to switch, select any two video system switch output from 1 to 10 in the left table.</p> <p>2. When using the "3" and "S" control point action system to switch at the same time, you can choose any 4 video system switch output from 1 to 10 in the left table, and the combination is 4 states: (1): "3" is not grounded, "S" is not grounded; (2): "3" is not grounded, "S" grounding wire; (3): "3" grounding wire, "S" is not grounded; (4): "3" grounding wire, "S" grounding wire.</p> |
| 2 | CVBS_NTSC | |
| 3 | AHD720P@25FPS | |
| 4 | AHD720P@30FPS | |
| 5 | AHD1080P@25FPS | |
| 6 | AHD1080P@30FPS | |
| 7 | TVI720P@25FPS | |
| 8 | TVI720P@30FPS | |
| 9 | TVI1080P@25FPS | |
| 10 | TVI1080P@30FPS | |